| Index | of | CI | aiı | ns |
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|       |    |    |     |    |

Application/Control No.

Applicant(s)/Patent under Reexamination

09/446,583

Examiner

LEVERIDGE ET AL.

Art Unit

Kristie Shingles

2141

✓ Rejected= Allowed

- (Through numeral)
Cancelled

+ Restricted

N Non-Elected

Interference

A Appeal
O Objected

| Tell   Dec   Dec | Cla   | aim      | Date     |          |             |          |          |          |    |          |        |
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| 1  |       |          |          |          |             | i        |          |          |    |          | $\Box$ |
| 30   | Final | Original | 5/8/06   |          |             |          |          |          |    |          |        |
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| 30   |       | 2        | V        |          |             |          |          |          |    |          | $\neg$ |
| 30   | **    | 3        | 1        |          | _           |          |          | _        | _  |          | П      |
| 30   |       | 4        | 1        |          |             |          |          |          |    |          |        |
| 30   |       | 5        | 1        |          | _           |          |          |          |    |          | П      |
| 30   |       | 6        |          |          | _           |          |          | _        |    |          | П      |
| 30   |       | 7        |          |          |             |          |          |          |    |          |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 8        | 1        |          | _           |          |          |          |    |          |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 9        | Ť        |          |             |          |          |          | _  | _        | -      |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 10       | T        |          |             |          |          |          |    | _        | _      |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 11       | Ħ        |          |             |          |          |          |    |          |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 12       |          |          |             |          |          |          |    |          |        |
| 30   |       | 13       | Ħ        |          |             |          |          |          |    |          |        |
| 30   |       | 14       |          |          |             |          |          |          |    | -        |        |
| 30   |       | 15       | Ħ        |          |             |          |          |          |    |          | П      |
| 30   |       | 16       | 1        | -        |             |          |          |          |    |          |        |
| 30   |       | 17       | Ħ        |          |             |          |          |          | _  |          | М      |
| 30   | •     | 18       | H        | _        | $\vdash$    |          |          | -        |    |          |        |
| 30   |       | 19       |          | _        | _           |          | -        | -        |    |          |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 20       | Н        | _        | _           |          | -        | _        |    |          |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 21       | Н        | -        | _           | _        | -        |          |    |          |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 22       | H        | _        | _           | _        | -        | _        |    | $\vdash$ |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 23       | V        |          | _           | $\vdash$ | -        |          |    | H        | _      |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 24       | J        |          |             |          | $\vdash$ |          |    | $\vdash$ | _      |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 25       | J        | _        |             |          |          |          |    | ┢        |        |
| 30  \( \sqrt{1} \) 31  \( \sqrt{1} \) 32  \( \sqrt{1} \) 33  \( \sqrt{1} \) 33  \( \sqrt{1} \) 34  \( \sqrt{1} \) 35  \( \sqrt{1} \) 35  \( \sqrt{1} \) 36  \( \sqrt{1} \) 37  \( \sqrt{1} \) 38  \( \sqrt{1} \) 38  \( \sqrt{1} \) 39  \( \sqrt{1} \) 40  \( \sqrt{1} \) 41  \( \sqrt{1} \) 42  \( \sqrt{1} \) 43  \( \sqrt{1} \)   |       | 26       | J        |          |             |          |          |          |    | -        | _      |
| 30   |       | 27       | V        |          | m           |          |          |          |    |          | _      |
| 30   |       | 28       | 1        |          |             |          |          |          | _  | _        | _      |
| 30   |       | 29       | 1        |          |             |          |          |          |    | _        | _      |
| 41 V 42 V 43 V   |       | 30       | 1        |          |             |          |          | -        |    |          |        |
| 41 V 42 V 43 V   |       | 31       | 1        | $\vdash$ | -           |          |          |          |    |          |        |
| 41 V 42 V 43 V   |       | 32       | V        |          | <del></del> |          | _        |          | _  | <u> </u> |        |
| 41 V 42 V 43 V   |       | 33       | V        |          |             |          | _        |          | ·  |          |        |
| 41 V 42 V 43 V   |       | 34       | 1        | $\vdash$ | _           |          |          |          |    |          |        |
| 41 V 42 V 43 V   |       | 35       | 1        |          | Г           |          |          | М        |    | $\vdash$ | _      |
| 41 V 42 V 43 V   |       | 36       | 1        |          | Г           |          |          |          |    |          |        |
| 41 V 42 V 43 V   |       | 37       | 1        |          | Г           |          |          |          |    |          | П      |
| 41 V 42 V 43 V   |       | 38       | 1        | Г        | Г           | $\Box$   |          | _        |    | $\vdash$ | $\Box$ |
| 41 V 42 V 43 V   |       | 39       | 1        | Г        |             |          |          |          | Π. | Γ        | П      |
| 41 V 42 V 43 V   |       | 40       | 1        | Г        |             |          |          |          | П  |          | П      |
| 42 V   |       |          | 4        |          |             |          |          |          | Г  | Г        | П      |
| 43 1   | -     | 42       |          |          |             |          |          |          | Г  |          |        |
|  |       |          |          |          |             | -        |          |          |    |          |        |
| :   <del>17</del> 7  |       | 44       |          |          |             | Г        |          |          |    |          |        |
| 45   |       |          |          |          |             |          |          |          |    |          |        |
| 46   |       |          | <u> </u> |          | Г           |          | Γ        |          |    |          |        |
| 47   |       |          |          |          | T           |          |          |          |    |          |        |
| 48   |       |          | Г        |          |             |          |          |          |    |          | Г      |
| 49   |       | 49       | $\vdash$ | $\vdash$ | Г           |          |          | $\vdash$ |    | Г        |        |
| 50   |       |          | Г        |          | $\Box$      | Γ        |          |          |    |          |        |

| Cla      | im       |  |  |             |          | Date   | <del>-</del> | _          | -                                   |  |
|----------|----------|--|--|-------------|----------|--|--------------|------------|-------------------------------------|--|
|          | =        |  |  |             |          |  |              |            |                                     |  |
| <u> </u> | Original |  |  |             |          |  |              |            |                                     |  |
| Final    | rig      |  |  |             |          |  |              |            |                                     |  |
| -        | 0        |  |  |             |          |  |              |            |                                     |  |
|          | =-       |  |  |             | _        |  |              |            |                                     |  |
|          | 51       |  | _  |             |          |  |              |            |                                     |  |
|          | 52       |  |  |             |          |  |              |            |                                     |  |
|          | 53       |  |  |             |          |  |              |            |                                     |  |
|          | 54       |  |  |             |          |  |              |            |                                     |  |
|          | 55       |  |  |             |          |  |              |            |                                     |  |
|          | 56       |  |  |             |          |  | _            |            |                                     |  |
|          | 57       |  |  |             |          |  | _            |            |                                     | _  |
| -        | 58       | -  |  |             |          | -  |              |            |                                     |  |
| $\vdash$ | 59       |  | _  |             | -        | _  |              |            |                                     | _  |
| -        |          | _  | -  |             | _        |  | _            |            |                                     | _  |
|          | 60       |  | _  | _           |          |  |              |            |                                     |  |
|          | 61       |  |  |             |          |  |              |            |                                     |  |
|          | 62       |  |  |             |          |  |              |            |                                     |  |
|          | 63       |  |  |             |          |  |              |            |                                     |  |
|          | 64       |  |  |             |          |  |              |            |                                     |  |
|          | 65       |  |  |             |          |  | -            |            |                                     |  |
|          | 66       |  |  |             | П        |  |              |            |                                     |  |
| $\vdash$ | 67       |  |  |             | -        | _  | _            |            |                                     |  |
| -        | 68       |  | -  |             | $\vdash$ |  | _            |            |                                     | _  |
| -        | 00       |  |  |             | H        |  | _            | _          | _                                   |  |
| <u> </u> | 69       | <u> </u>   |  |             | $\vdash$ |  | _            |            |                                     |  |
| <u> </u> | 70       | <u> </u>   |  |             | <u> </u> |  |              |            | _                                   | _  |
|          | 71<br>72 | L  |  |             | <u></u>  |  |              | _          |                                     | _  |
|          | 72       |  |  |             |          |  |              |            |                                     |  |
|          | 73       |  |  |             |          |  |              |            |                                     |  |
|          | 74<br>75 |  |  |             |          |  |              |            |                                     |  |
|          | 75       |  | Г  |             | _        |  |              | _          |                                     |  |
|          | 76       |  | $\vdash$   |             | $\vdash$ |  |              | _          |                                     | <u> </u>   |
| $\vdash$ | 76<br>77 |  | $\vdash$   | _           | -        |  | -            | _          | _                                   | _  |
| -        | 78       |  | $\vdash$   |             | ┝        |  |              | -          |                                     | -  |
|          | 70       |  | -  |             |          | -  |              | ┝          | -                                   | -  |
| -        | 79       | _  | <u> </u>   |             | _        | _  |              |            |                                     | _  |
|          | 80       |  |  |             | L        | Щ  |              | lacksquare |                                     |  |
|          | 81       |  | L  |             |          |  | L            |            |                                     |  |
|          | 82       |  |  |             |          |  |              |            |                                     |  |
|          | 83       |  |  |             |          |  |              |            |                                     |  |
|          | 84       |  | Г  |             |          |  |              |            |                                     |  |
|          | 85       | <u> </u>   | Т  |             |          | T  |              | П          |                                     |  |
|          | 86       | <del>                                     </del> | _  |             | Г        | <del>                                     </del> | <u> </u>     | $\vdash$   |                                     | <del>                                     </del> |
|          | 87       | $\vdash$   | $\vdash$   | $\vdash$    | -        | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$                            | <del> </del>                                     |
|          | 00       | -  | -  | <del></del> | -        | -  | <del> </del> | -          | <u> </u>                            | -  |
| <u> </u> | 88       |  | -  |             |          | $\vdash$   | $\vdash$     |            | -                                   | -  |
| <u> </u> | 89       | <b>—</b>   | <u> </u>   | -           | -        | <u> </u>   | <u> </u>     | <u> </u>   | ļ                                   | <u> </u>   |
|          | 90       | <u> </u>   | $\vdash$   | L           | ļ        | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>                            | <u> </u>   |
|          | 91       | <u>_</u>   | <u> </u>   | _           |          | L  | L_           | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | ļ  |
| L        | 92       | L  | L  | L           | ot       | L  |              |            | L                                   | <u>L</u>   |
|          | 93       |  |  |             |          |  |              |            |                                     |  |
|          | 94       |  |  |             | Г        |  |              |            |                                     |  |
|          | 95       | Г  |  |             |          |  |              | Γ          | Г                                   |  |
|          | 96       | T  | $\vdash$   | $\vdash$    | $\vdash$ | _  | $\vdash$     | Ι-         |                                     | <del>                                     </del> |
|          | 97       | <del>                                     </del> | <del>                                     </del> | $\vdash$    | $\vdash$ | _  | $\vdash$     | $\vdash$   | $\vdash$                            | $\vdash$   |
| -        |          | -  | -  | $\vdash$    | -        | $\vdash$   | $\vdash$     | ⊢          | ⊢                                   | $\vdash$   |
|          | 98       | <u> </u>   |  | <u> </u>    | ├        |  | ├-           | <u> </u>   | <u> </u>                            | <u> </u>   |
| ļ        | 99       | <u> </u>   | <u> </u>   | L_          | -        | <u> </u>   | $\vdash$     | <u> </u>   |                                     | <u> </u>   |
| L,       | 100      | <u>L</u>   | L  | L           | <u> </u> | <u> </u>   |              | <u> </u>   |                                     | L_   |

| Claim        |                   | Date  |  |          |          |          |              |          |          |          |
|--------------|-------------------|---|--|----------|----------|----------|--------------|----------|----------|----------|
| Final        | Original          |   |  |          |          |          |              |          |          |          |
|              | 101               |   | $\vdash$   |          |          |          | $\neg$       | _        | _        | $\vdash$ |
|              | 102               |   |  | _        |          |          |              |          |          |          |
|              | 102<br>103        |   |  |          |          |          |              |          |          |          |
|              | 104               |   |  |          |          |          |              |          |          |          |
|              | 104<br>105        |   | _  |          |          |          |              |          |          |          |
|              | 106               |   | <u> </u>   |          |          |          |              |          |          | Щ        |
|              | 107<br>108        |   | _  | <u> </u> |          |          |              |          |          |          |
|              | 108               |   |  | $\vdash$ |          |          |              |          | _        | $\vdash$ |
|              | 110               |   | _  |          | _        |          |              |          |          |          |
|              | 111               |   | ·  |          |          |          |              | -        |          | -        |
| <b></b>      | 112               |   |  |          |          |          |              |          | -        | Н        |
|              | 113               |   |  | _        |          |          |              |          |          | Н        |
|              | 114               | Γ   | _  |          |          |          |              |          |          | П        |
|              | 115               |   |  |          |          |          |              |          |          |          |
|              | 115<br>116<br>117 |   |  |          |          |          |              |          |          | Ш        |
|              | 117               |   | <u> </u>   | L        |          |          |              | _        |          | Ш        |
|              | 118<br>119        |   | <u> </u>   | _        | _        |          | _            | _        | <u> </u> |          |
|              | 119               |   |  | <u> </u> | $\vdash$ | <u> </u> | Ŀ            |          | ļ        |          |
|              | 120               | -   |  | $\vdash$ | ⊢        | -        | -            | ├        | -        | $\vdash$ |
|              | 121<br>122        | ├─  | -  | $\vdash$ |          | -        | ├─           | -        |          | $\vdash$ |
|              | 123               | -   |  | H        | $\vdash$ |          | <del> </del> |          | -        |          |
| $\vdash$     | 123<br>124<br>125 | -   | 1  |          | $\vdash$ |          |              | _        |          |          |
|              | 125               |   |  |          |          |          |              | _        |          |          |
|              | 126<br>127<br>128 |   |  |          |          |          |              |          |          |          |
|              | 127               |   |  |          |          |          |              |          |          |          |
|              | 128               |   | <u> </u>   | L        |          |          |              |          |          |          |
|              | 129<br>130        |   | _  |          | <u> </u> |          |              |          |          |          |
|              | 130               | <u> </u>                                    |  | _        | _        | _        |              | <u> </u> |          |          |
|              | 131               | _   |  | _        | <u> </u> |          | ļ            | ļ        |          | _        |
| <u> </u>     | 132<br>133        |   | -  | -        | -        |          |              |          |          | Н        |
|              | 134               | ⊢   |  | -        | -        |          | ├            | -        |          | Н        |
|              | 134<br>135        | -   |  |          | -        |          |              | $\vdash$ | $\vdash$ | $\vdash$ |
|              | 136               | -   | <del> </del>                                     |          |          |          |              | $\vdash$ | $\vdash$ | H        |
|              | 137               |   | _  | -        |          |          |              | $\vdash$ | Г        | Т        |
|              | 137<br>138        | 1   | <del>                                     </del> | $\vdash$ |          |          |              |          | Т        | $\vdash$ |
|              | 139               |   |  |          |          |          |              |          |          |          |
|              | 140               | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}$ |  |          |          |          | Ĺ            |          |          |          |
|              | 141               |   | L  |          | Ĺ        | L        | _            | _        | L        | <u> </u> |
|              | 142               | <u> </u>                                    | _  | $\vdash$ |          | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u> |
|              | 143               | _   | <b> </b>   | -        | <u> </u> | $\vdash$ | -            | <u> </u> | <u> </u> | -        |
|              | 144               | -   | $\vdash$   | $\vdash$ | $\vdash$ | -        | -            | -        |          | ├-       |
| <del> </del> | 145<br>146        | -   | $\vdash$   | ╁        | -        | $\vdash$ | -            | -        |          | ├-       |
| <del></del>  | 147               | -   | $\vdash$   | $\vdash$ | $\vdash$ | -        | ⊢            | -        | -        | $\vdash$ |
| $\vdash$     | 148               | $\vdash$                                    | -  | ┼        | -        | H        | ┢            | $\vdash$ | ┢        | $\vdash$ |
|              | 149               | t   | Т  | $\vdash$ | T        | T        | T            |          | H        | T        |
|              | 150               |   |  |          |          |          |              |          |          |          |
|              |                   |   |  | •        | _        | _        |              |          | -        |          |